

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown in accordance with the mandatory amendment format.

1. (Currently Amended) An apparatus comprising:

a card rack; and

two or more server node cards coupled to the card rack, each server node card including:

~~[[,]] each server node card can~~

~~a server node to perform server functions with integrated switching, and router routing, functions including load balancing, and fail-over functions; and~~

~~a plurality of ports coupled with each the two or more server node cards.~~

2. (Previously Presented) The apparatus of claim 1, wherein the server node card comprises a single printed circuit board.

3. (Original) The apparatus of claim 1, where the plurality of ports comprises four ports.

4. (Original) The apparatus of claim 2, wherein the printed circuit board is rack mountable and the plurality of ports are accessible as connection points on the card rack.

5. (Currently Amended) A server block comprising:

a plurality of server nodes, each server node comprising including:

a server with integrated switching, routing, load balancing and fail-over functions;
and

a plurality of ports, at least one port of the plurality of ports configured for
connection to an external network; and

a plurality of signal paths connected with the plurality of ports of the server nodes ~~of the~~
~~plurality of server nodes~~, at least two of the plurality of ports of each server node ~~of the plurality~~
~~of server nodes~~ connected with another server node of the plurality of server nodes in the server
block.

6. (Previously Presented) The server block of claim 5, wherein each said server node
of the plurality of server nodes comprises one printed circuit board.

7. (Currently Amended) The server block of claim 6, wherein the printed circuit board is
rack mountable and the plurality of ports of each server node ~~of the plurality of server~~
~~nodes~~ are accessible as connection points on the card rack, and the server block is
constructed in one card rack by interconnecting the connection points on the card rack.

8. (Previously Presented) The server block of claim 7, wherein the external
connections of the server block are provided through an interface card in the card rack,
the interface card being connected to the plurality of server nodes through connection
points on the card rack.

9. (Currently Amended) A computer network comprising:

a plurality of server blocks wherein each server block comprises:

a plurality of server nodes, each server node ~~comprising~~ including:

a server with integrated switching, routing, load balancing and fail-over functions and a plurality of ports; [,] and

a plurality of signal paths connected with the plurality of ports of each server node ~~of the plurality of server nodes~~, at least one signal path connected with each server node of the plurality of server nodes providing an external connection to a server block, and at least two signal paths ~~of the plurality of signal paths~~ connected with each server node of the plurality of server nodes being connected with other server nodes of the plurality of server nodes in the block; and

a plurality of signal paths connected with the server blocks, at least one signal path connected with each server block of the plurality of server blocks providing an external connection to the network, and at least two signal paths ~~of the plurality of signal paths~~ connected with each server block of the plurality of server blocks being connected with other server blocks of the plurality of server blocks.

10. (Previously Presented) The computer network of claim 9, wherein each server node of the plurality of server nodes comprises one printed circuit board.
11. (Currently Amended) The computer network of claim 10, wherein the printed circuit board is rack mountable and the plurality of ports of each server node of the plurality of server nodes are accessible as connection points on the card rack, and a server block is constructed in one card rack by interconnecting the connection points on the card rack.
12. (Previously Presented) The computer network of claim 11, wherein the external connections of the plurality of server blocks are provided through an interface card in the card rack, the interface card being connected to the plurality of server nodes through connection points on the card rack.

13-20. (Cancelled)